



# WOOD MAGIC

## Forest Fair

### 2010 Annual Report



# ***South Carolina's*** **WOOD MAGIC FOREST FAIR**

South Carolina's Wood Magic Forest Fair is a 4-hour program designed to enable fourth graders from across the state to:

- Demonstrate awareness that our society depends on forests for many products we use every day and that these products improve our quality of life.
- Explain the difference between renewable and non-renewable natural resources and apply the reduce-reuse-recycle principles of conservation.
- Recognize that many different management techniques are required to insure long-term sustainability of our forests.
- Describe the many environmental, social, and economic benefits of our forests.

These goals are accomplished through a variety of 25 minute hands-on activities led by forestry professionals from numerous organizations. For a pictorial explanation of each of the 6 learning stations, go to the Wood Magic web site at:

***[www.trees.sc.gov/wmfair.htm](http://www.trees.sc.gov/wmfair.htm)***

## ***HISTORY OF THE WOOD MAGIC FOREST FAIR***

The South Carolina Wood Magic Forest Fair was first held October 18-22, 1999 at Harbison State Forest in Columbia. The program has been an extreme success, with over 25,000 participants in the 12 years since it began. Demand for the program has always exceeded the capacity each year since its inception.

This year, the fair was held only at Harbison State Forest, though in past years the fair is held at multiple locations. Past programs have also been held at Clemson University's Botanical Gardens and S.C. State University's Camp Daniels, Piedmont Forestry center in the upstate, Sewee Visitors Center on the coast, as well as in-school programs in the upstate during the 2003 school year.

Today, the WMFF is organized by the S.C. Forestry Commission and financed through donations and grants. Approximately 84 volunteers from the forestry community came together this year to make this natural resource program successful.



# **PARTICIPANT COMMENTS**

*We receive many thank you letters and comments each year from students, teachers, and parents who participate in or as a result of their children attending the Wood Magic Forest Fair. These letters reinforce the quality of the educational efforts the program strives to accomplish. Below is a sampling of a few choice comments:*

## **TEACHERS**

**“In my 10 years of teaching this was by far the best field trip I have taken with my students. Please tell all the donor’s ‘thanks’ for us!”**

**“It was a wonderful learning experience for the students that they retain.”**

**“It was very organized and kept the students not just entertained but learning through excitement....it encouraged students to be active participants in their learning. “**

**“Several of my parents made the comment that it was the best field trip they had ever been on.”**

**“The parents were thrilled to hear their children so excited.”**

## **STUDENTS**

**“That was the best field trip ever! You guys taught me a lot about trees.”**

**“There was all kinds of things that were fascinating, like how amazing wood is and how it helps people live.”**

**“Overall it was one of the best field trips of my life. My mom said it was the best she has ever been to.”**



# **NUMBER OF PARTICIPANTS**

Each Spring, every public and private school with a 4<sup>th</sup> grade who is registered with the State Board of Education is sent an invitation to apply to the fall Wood Magic Forest Fair. Applications are scheduled during the summer on a first come - first serve basis, with some consideration given to those schools that have never attended and previous records of attendance and participation. For 2010, applications were received for all three locations; however, the Piedmont and Sewee events were canceled due to budget restrictions.

## **Fall 2010 school year participation**

Location	#Applications Received	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont	18	0	0	0	0
Harbison	48	43	750	163	913
Sewee	20	0	0	0	0
Totals	86	43	750	163	913

*Here are the statistics for the past 12 years of Wood Magic:*

## **Cumulative Totals (12 years of Wood Magic)**

Location	#Applications Received*	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont (2004-2010)	138	170	3,112	490	3,602
Upstate (in-school) (2003)	92	32	744	37	781
Clemson (2002)	90	38	756	228	984
Camp Daniels (2001)	43	43	786	172	958
Harbison (1999-2010)	1153	483	9,106	1,858	10,964
Sewee (2000-2010)	483	348	6,984	1,392	8,376
Totals (Since 1999)	1,999	1,114	21,488	4,177	25,665

**\*NOTE: IN 2004 AN IMPROVED SYSTEM OF TAKING APPLICATIONS ONLY FROM SCHOOLS, NOT INDIVIDUAL TEACHERS, BEGAN REDUCING THE NUMBER OF APPLICATIONS THAT WERE RECEIVED. IN 2010, APPLICATIONS WERE RECEIVED FOR THE PIEDMONT, SEWEE, AND HARBISON EVENTS, BUT ONLY THE HARBISON EVENT WAS HELD.**

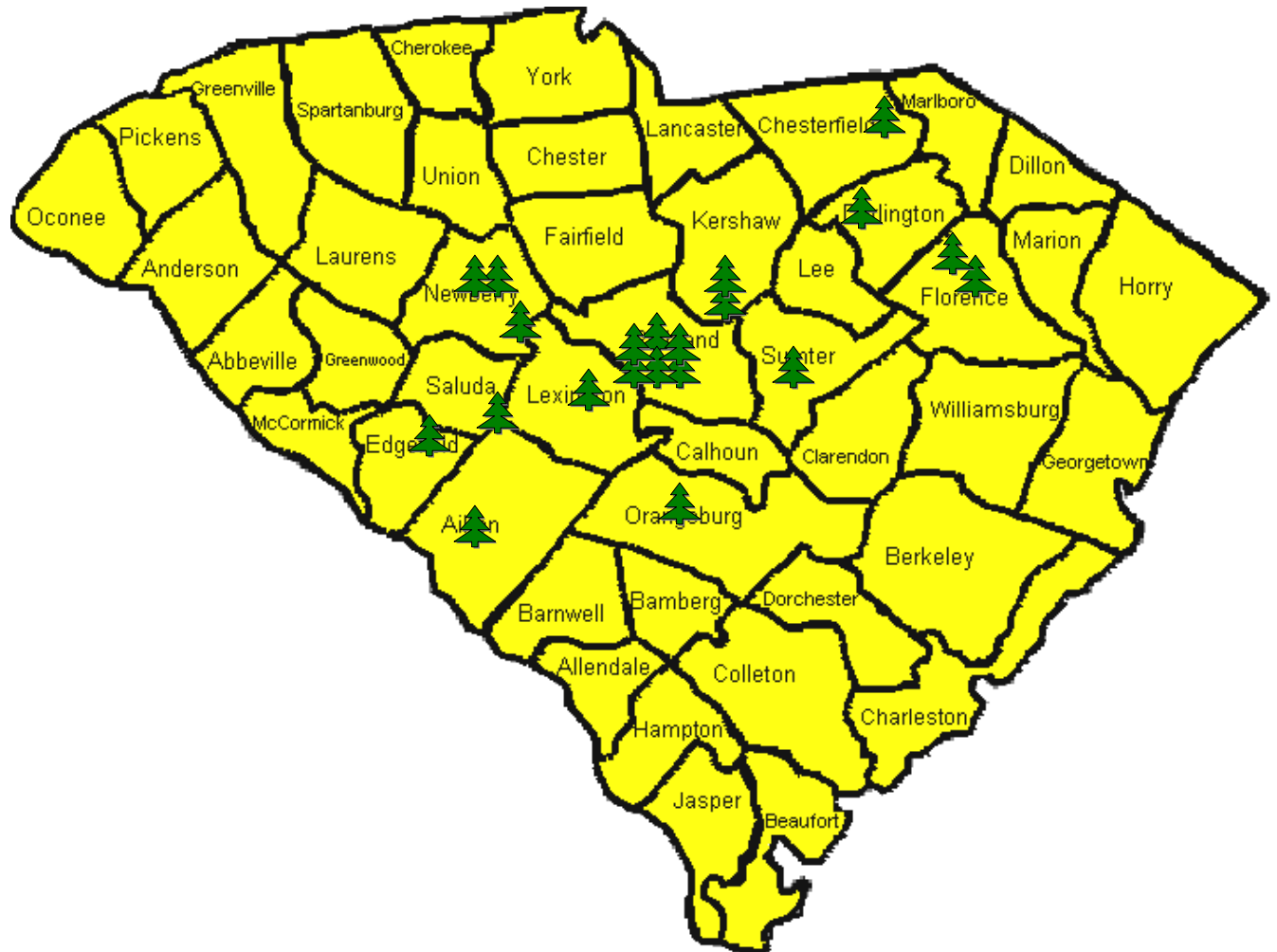
# **2010 SCHOOLS**

## **HARBISON STATE FOREST**

<b><u>SCHOOL</u></b>	<b><u>CITY</u></b>
Baron DeKalb	Camden
Ben Lippen Elementary	Columbia
Boundary Street Elementary	Newberry
Carolina Elementary	Hartsville
Covenant Classical Christian	Columbia
F. H. Wardlaw Academy	Johnston
Faith Christian Academy	Cheraw
Heritage Christian Academy	Lexington
Jackson School	Camden
King Academy	Batesburg
Lester Elementary	Florence
Mead Hall Episcopal	Aiken
Montessori School of Florence	Florence
New Heights School	Columbia
Newberry Academy	Newberry
Pine Grove Elementary	Columbia
Pineview Elementary	West Columbia
Pomaria-Garmany Elementary	Pomaria
Saint Anne Catholic School	Columbia
Saint Peter's Catholic School	Columbia
Vanard J. Mendinghall SDA Jr. Academy	Orangeburg



# **SCHOOL LOCATION MAP**



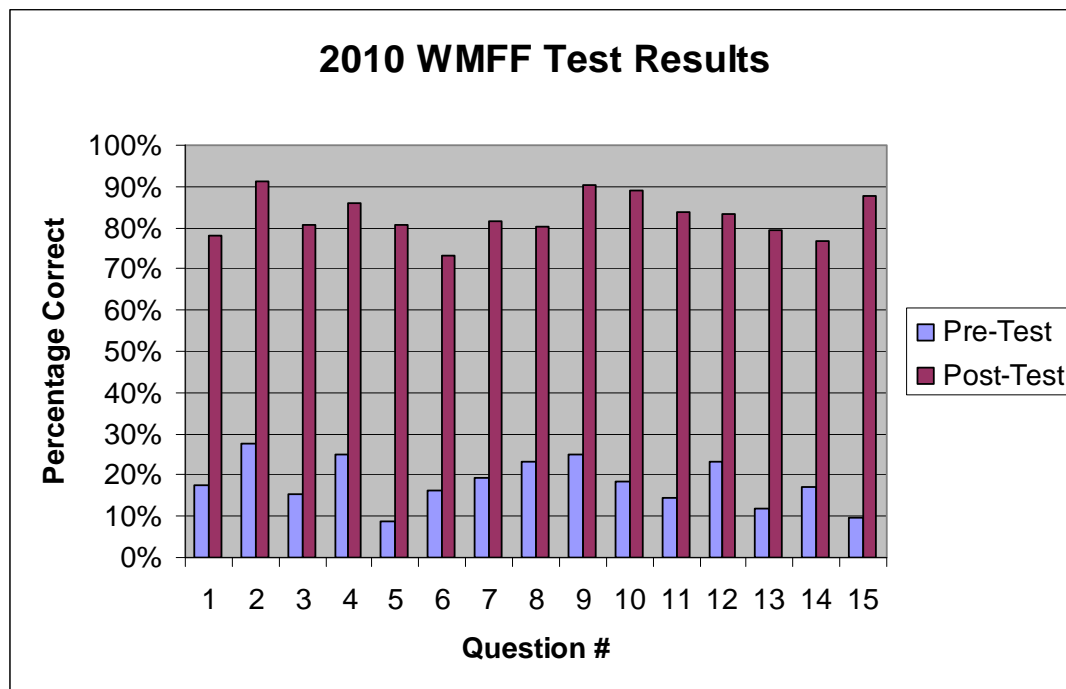
**Harbison State Forest (21 Schools, 43 classes, 913 participants)**

# **KNOWLEDGE GAINED**

South Carolina's Wood Magic Forest Fair is a comprehensive environmental education program that is correlated to state curriculum standards in science and language arts. To help measure the effectiveness of this program, teachers were asked to administer a pre-test to the students before they attended Wood Magic and a post-test afterward. The results of these tests were then compiled and examined to determine the educational success of Wood Magic. The following is a summary of those results:

- ★ Before the program, only 17% of the students understood that the U.S. has more forests today than it did 100 years ago. After the program 78% of the students knew this to be true. This is a major gain in the awareness of the sustainability of our forests.
- ★ 91% of the students now recognize that trees are a renewable natural resource.
- ★ Before they attended the WMFF program, 9% of the students thought that the major reason to recycle paper was to save landfill space. Afterward, 81% of the students recognized that the primary goals in recycling are to save landfill space and reduce waste.
- ★ 82% of the students now recognize that more trees are planted each year in South Carolina than are harvested.
- ★ Before coming to Wood Magic, only 16% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 73% now recognize the environmental benefits of forests and believe this to be true.
- ★ After attending Wood Magic, 88% of the students were able to list a minimum of 10 items that they use everyday that come from trees. Before attending Wood Magic, only 9% could do this task.
- ★ Students showed a significant gain in knowledge about forests in 100% of the major categories measured. Overall, the scores on the test increased from an average of 18% on the pre-test to 83% on the post-test.

***Here's a visual summary of the pre-visit and post-visit test results:***



Test Results			Main Emphasis of Test Question
Question	Pre-Test	Post-Test	
1	17%	78%	There are more forests today than 100 years ago.
2	28%	91%	Trees are a renewable natural resource.
3	15%	81%	Prescribed fire can be used to improve forests and wildlife habitat.
4	25%	86%	Every part of a log is used when brought into a sawmill. There is no waste.
5	9%	81%	The main reason to recycle paper is to save landfill space and reduce waste.
6	16%	73%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	19%	82%	In SC there are more trees planted than are harvested each year.
8	23%	80%	Forests clean the air and water we use.
9	25%	91%	Oil and gas are non-renewable natural resources.
10	19%	89%	Definition for: Natural Resources
11	14%	84%	Renewable
12	23%	83%	Non-renewable
13	12%	79%	Biodegradable
14	17%	77%	Recycle
15	9%	88%	Student can list at least 10 items that they use daily that come from wood.

\*625 student pre-test were measured against 433 post-test returned. This is equal to a 83% return of the pre-tests, and a 58% return of the post-tests.



# **BUDGET**

## **INCOME**

<b>2010 SC SFI Implementation Committee funds</b>	<b>\$8,000.00</b>
<b>2009 SC SFI Carry-over funds</b>	<b>\$1,674.97</b>
<b>2009 SCFC Stewardship Funds Carry-over</b>	<b>\$4,522.66</b>
<b>S.C. Tree Farm Committee</b>	<b>\$500.00</b>
<b>Wal-Mart Grant</b>	<b>\$500.00</b>
<b>Collum's Lumber Products, LLC</b>	<b>\$1,000.00</b>
<b>Lowcountry RC&amp;D Youth Education Grant</b>	<b><u>\$500.00</u></b>
<b><i>Total Income</i></b>	<b>\$16,697.63</b>

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## **EXPENSES**

<b>Food</b>	<b>\$2,751.67</b>
<b>Lodging, travel</b>	<b>\$440.00</b>
<b>Tent &amp; Portajon Rentals</b>	<b>\$1,646.63</b>
<b>Instructional materials, station supplies, bags</b>	<b>\$420.00</b>
<b>Office supplies, Misc.</b>	<b>\$226.03</b>
<b>Shirts (for participants, instructors)</b>	<b><u>\$1,746.24</u></b>
<b><i>Total Expenses</i></b>	<b>\$7,230.57</b>

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<b>BALANCE</b>	<b>\$9,467.06</b>
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<b>*In-Kind Contribution</b>	<b><u>\$29,265.25</u></b>
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\*See sponsor page for a list of contributors.

# **2010 STEERING COMMITTEE**

The SC WMFF Steering Committee is made up of volunteers from forest industry, state and federal agencies, and private citizens who volunteer to help oversee and organize the program.

<b><u>Name</u></b>	<b><u>Organization</u></b>
Tommy Adkins	AbitibiBowater, Incorporated
Becky Ashley	USDA Forest Service
Gwen Beavans	USDA Forest Service
Tom Brant	Clemson Extension
Rick Cain	Georgia-Pacific
Janna Dupree	USDA Forest Service
Bethel Durant	Natural Resources Conservation Service
Jane Hiller	Paper Stock Dealers
Russell Hubright	SC Forestry Commission
John Jamison	Walter, Hunter & Associates
Crad Jaynes	SC Timber Producers Association
Sandy Jennings	SC Forestry Association
Stephanie Kolok	SC Forestry Commission
Lynn Leclair	SC Forestry Commission
Greg Lucas	SC Department of Natural Resources
Jay Phillips	Resource Management Services
Scott Phillips	SC Forestry Commission
Stephen Pohlman	Clemson Extension
Jerry Shrum	SC Forestry Commission



# **WOOD MAGIC STAFF**

The success of South Carolina's Wood Magic Forest Fair can be attributed to the dedication and technical competence of 84 professionals from numerous organizations. These volunteers set up tents, developed lesson plans, guided classes, served food, cleaned up after a busy day, taught students, assembled student packets, welcomed guests, and performed dozens of other tasks. Our sincere appreciation for a job well done goes to the following:

<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>	<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>
Tommy	Adkins	Bowater, Inc.	Dena	Jacob	SCFC
Greg	Allen		Michelle	Johnson	SCFC
Jim	Avent		Darryl	Jones	SCFC
Calvin	Bailey	SCFC	Jaime	Jones	SCFC
Bruce	Ballentine	SCFC	Stephanie	Kolok	SCFC
John	Barlow	Plum Creek Timber	Matt	Krawiec	Domtar Paper Company LLC
Gwen	Beavans	USDA Forest Service	Jane	Lawther	Robinsons on Parallel
John	Bess	Collum's	Lynn	Leclair	SCFC
Robin	Blakely	USDA Forest Service	Chris	McCorkle	SCFC
Harry	Blount	SCFC	Ken	McInnis	SCFC
Wesley	Bouknight	SCFC	Karen	McIntosh	SCFC
Mike	Bozzo	SCFC	Trip	Miller	SCFC
Brad	Bramlett	SCFC	Doug	Mills	SCFC
Tom	Brant	Clemson University Coop Extension	Neal	Mills	Abitibibowater
Mandy	Burge	SCFC	Tommy	Mills	SCFC
Michelle	Burnett	USDA Forest Service	Mary	Morrison	USDA Forest Service
Jonathan	Calore	SCFC	Kelly	Mucci	International Paper
Jeff	Carson		Mary	Nevins	Carolina Clear--Clemson Extension
Jason	Caudill	Clemson Extension	David	Owen	SCFC
Matt	Conner	SCFC	Scott	Pellum	Kapstone Paper
Bart	Copeland	Collum's Lumber Products LLC	Rusty	Purdy	Collum's Lumber Products LLC
Scott	Danskin	SCFC	Alan	Rabon	SCFC
James	Douglas	SCFC	Jeff	Riggin	SCFC
Jason	Duck	SCFC	Ben	Robeson	Pollard Lumber, Inc
Earl	Dutton	Forest Land Services	Matt	Schnabel	Saluda Shoals Park
Joel	Felder	SCFC	Bob	Schowalter	SCFC - retired
Jeff	Fellers	Clemson Extension	Mike	Shealy	SCFC
Ron	Ferguson	SCFC - Retired	Jerry	Shrum	SCFC
Caroline	Forney	USDA Forest Service	Eric	Smith	KapStone Charleston Kraft
Jeremy	Gantt	SCFC	Vaughan	Spearman	SCFC
Stephanie	Grubb	International Paper	Daniel	Spears	SCFC
Lisa	Hart	SCFC	Sam	St. Louis	SCFC
Scott	Hawkins	SCFC	Jay	Swafford	USFS
Gary	Hermann	Kapstone Charleston Kraft LLC	Jimmy	Walters	SCFC
Howard	Hiller		Michael	Weeks	SCFC
Jane	Hiller	Paper Stock Dealers	Bubba	Welch	Collum's Lumber Products LLC
Ronnie	Hinson	Bowater	David	West	SCFC
Lin	Houk	Collum's Lumber Products LLC	Bill	Wiley	SCFC
Clay	Howard		Leslie	Woodham	SCFC
Russell	Hubright	SCFC	Walt	Woodrum	SCFC
Jim	Huthmaker		Mickey	Worthington	SCFC
Gwyn	Ingram	USDA Forest Service	Terasa	Young	Clemson Extension

## VOLUNTEER PERSONNEL IN 2010 BY CONTRIBUTORS

CONTRIBUTOR	# Personnel	% of Personnel	# of man hours	% of Man hours
SCFC	45	53.6%	931.5	71.3%
Industry	24	28.6%	227.5	17.4%
USDA-Forest Service & FWS	7	8.3%	69.5	5.3%
Others (Clemson, DNR, etc)	8	9.5%	78	6%
<b>Totals</b>	<b>84</b>	<b>100%</b>	<b>1306.5</b>	<b>100%</b>

Thanks to the 84 volunteers and the more than 37 sponsors who made the 2010 Wood Magic Forest Fair program a great success!



# **2010 CONTRIBUTORS**

**South Carolina's Wood Magic Forest Fair is jointly sponsored by the SC Forestry Association, SC Forestry Commission, and the USDA Forest Service. Special thanks to the following organizations that provided financial support and/or in-kind services (personnel, equipment, and supplies):**

AbitibiBowater, Incorporated  
American Forest Management  
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Envtl. Education Consulting, LLC  
Evergreen Packaging Corp.  
Forest Investment Associates  
Forestland Services, Inc.  
Georgia-Pacific Corporation  
Hancock Forest Management  
International Paper Company  
Jordan Lumber & Supply, Inc.  
Kapstone Charleston Kraft, LLC  
Low Country RC & D  
MeadWestvaco Corp.  
Milliken Forestry Company  
National Audubon Society

New South Lumber Co., Inc.  
Norbord South Carolina  
Norfolk Southern  
Paper Stock Dealers, Inc.  
Pioneer Machinery  
Plum Creek Timber Co., Inc.  
Pollard Lumber, Inc.  
Resource Management Service, LLC  
Robinsons on Parallel  
Simpson Lumber Co., LLC  
Smurfit-Stone Container Corp.  
Santee Cooper  
SCFC Forest Stewardship Program  
SC Timber Producers' Association  
SC Tree Farm Committee  
Society of American Foresters  
Sonoco Products Company  
Weyerhaeuser  
Wal-Mart



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**S.C. Forestry Commission  
Forest Stewardship Program**



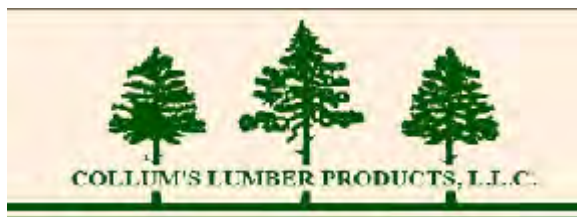
**Lowcountry RC&D Youth Environmental  
Education Grant Program**



**S.C. Sustainable Forestry  
Initiative Implementation Committee**



**Walmart**



**Collum's Lumber Products, LLC**



**S.C. Tree Farm Committee**